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Practitioner's Docket No. U 014850-7

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application

of

Inventor(s)

for

Title of invention

OR

In re application of: Vidya Bhushan LOHRAY, et al.

Serial No.: 10/697,926

Group No.: 1616

Filed: October 30, 2003

Examiner:

For:

HETEROCYCLIC COMPOUNDS, PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USE IN

THE TREATMENT OF DIABETES AND RELATED DISEASES

Commissioner for Patents P. O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))

CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10*

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* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

NOTE: 37 C.F.R. 1.98(b): Each U.S. patent listed in an information disclosure statement must be identified by (1) inventor, patent number, and issue date. Each U.S. patent application published listed in an information disclosure statement (2) shall be identified by applicant, patent application publication number, and publication Each U.S. application listed in an information disclosure statement must be identified (3) by the inventor, application number, and filing date. Each foreign patent or published foreign patent application listed in an information (4)disclosure statement must be identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application. Each publication listed in an information disclosure statement must be identified by (5) publisher, author (fi any), title, relevant pages of the publication,,date, and place of publication. No extension of time can be had under 37 C.F.R. § 1.36 (a) or (b) for filing an IDS. 37 **WARNING:** C.F.R. § 1.97(f).

NOTE: The "filing date of a national application" under 37 C.F.R. 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark office, the filing is defined in 37 C.F.R. 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the a ctual inventor or inventors as required by § 1.41." 37 C.F.R. 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. 37 C.F.R. 1.97(b)(2).

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).

- NOTE: "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."
- NOTE: "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).
- NOTE: "The term 'national application' includes continuing applications (continuations, divisions, continuationsin-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).

If a fee is required, please charge deposit account 12-0425.

SIGNATURE OF PRACTITIONER

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Tel. No.: (212) 708-1935

Customer No.: 00140

(type or print name of practitioner)

P.O. Address

c/o Ladas & Parry LLP 26 West 61st Street New York, N.Y. 10023



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Vidya Bhushan LOHRAY, et al.

Serial No.: 10/697,926

Group No.: 1616

Filed: October 30, 2003

Examiner .: -

For: HETEROCYCLIC COMPOUNDS, PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USE IN

THE TREATMENT OF DIABETES AND RELATED DISEASES

Attorney Docket No.: U 014850-7

Commissioner for Patents P.O. BOX 1450 ALEXANDRIA, VA. 22313

Sir:

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the attached references which were cited in

U.S. Patent 6,310,069 upon which this case is a Reissue and which are also listed on the attached Form PTO-1449.

The PTO did not receive the following listed Item(s) Ref. marked as: " * "

Respectfully submitted,

SANETA CORD LADAS & PARRY 26 WEST 61ST STREET NEW YORK, NY 10023

REG. NO.: 33778 (212) 708-1935

CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10*

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JANET I. CORD (type or print name of person certifying)

FORM PTO-1449

U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use several sheets if necessary)

L	ATTY. DOCKET NO.	SERIAL NO.						
L	U 014850-7	10/697,926						
L	APPLICANT							
L	Vidya Bhushan LOHRAY et al.							
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FILING DATE IF APPROPRIATE						
ANSLATION						
NO						
OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.) Hisatome et al. CA 119:149791, abstract of <i>Chem. Lett.</i> (1993), 8: 1357-7022z						
Khan, A. et al. CA 110:189420, abstract of <i>Pharmazie</i> (1988), 43(12): 864-865						
Chemical Abstracts 93: 168217v (1980)						

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO	D-144	9 U. S DEPART	MENT OF COMME	RCE	ATTY	DOCKET NO.	SERIAL NO.
		PATENT AND TRADEMARK OFFICE		U 014850-7		10/697,926	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NA	ME	FILING DATE IF APPROPRIATE
	АА	5,037,842	08/1991	Goldstei	n		
•	АВ	5,130,379	07/1992	Clark et	al.		•
	AC	5,153,210	10/1992	Ainswor	Ainsworth et al.		
•	AD	5,296,605	03/1994	de Nanteuil et al.			
	AE	5,330,999	07/1994	de Nante	euil et al.		
	AF	5,420,146	05/1995	Malamas et al.			
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	AG	0337819	10/1989	E	Р	·	
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	ΑJ	0397453	11/1990	E	Р		
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	AM	0428312	05/1991	E	Р		
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	AQ	Shukla, J.S. and I. Al Possible Antifertility [)-4-quinazolones as
Husain, M.I. and E. Singh. "Some New 2-Aryloxymethyl-3-α-substituted Carboxymethyl-6,8 substituted-4-quinazolones as Possible Anticonvulsants." <i>Pharmazie</i> (1982), 37(H6): 408-4							
Khan, A. and R.K. Saksena. "Synthesis and antibacter substituted-quinazolin-4-(3H)-ones." <i>Pharmazie</i> (1988)							aryloxymethyl-3-
de Nanteuil, G. "Euglycaemic and Biolog AT ArzneimForsch./Drug Res. (1995), 45(II						Thiazolidine-2,4-d	lione Derivatives."
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	АА	5,468,762	11/1995	Malamas	etal/		
-	АВ	5,478,851	12/1995	Cantello	et al.		
	AC	5,478,852	12/1995	Olefsky	et al.	:	
•	AD	5,478,853	12/1995	Regnier			
	AE	5,480,896	01/1996	<u> </u>	Malamas		
	AF	5,498,621	03/1996	Dow			
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	AG	0528734	02/1993	E	P		х
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	AK	0604983	07/1994	E	P		
	AL	0605228	07/1994	E	P		
	АМ	0612743	08/1994	E	P		
	AN	0643050	03/1995	E	P		
	AO	0645387	03/1995	E	P		
	АР	0676398	10/1995	E	P		
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*	ΑQ	EP Patent 0528734 A				<u> </u>	•
Whitcomb, R.W. "Thiazolidediones." Expert Opinion on Investigational Drugs (1995), 4(12): 12					995), 4(12): 1299-		
Messier, Claude and Michèle Gagnon. "Glucose regulation and cognitive functions: relation to Alzheimer's disease and diabetes", <i>Behavioral Brain Research</i> (1996), 75: 1-11 Clark, D.A. et al. "Substituted Dihydrobenzeopran" <i>J. Med. Chem.</i> (1991), 34: 319-325						d cognitive function 1996), 75: 1-11	s: relation to
						319-325	
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	AA	5,521,201	05/1996	Hindley	et al.			
•.	АВ	5,521,202	05/1996	Yano et	al.			
	AC	5,710,152	01/1998	Nagao e	t al.			
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	ΑI	0733631	09/1996	EP				
	AJ	0745600	12/1996	E	P			
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	AL -	0787727	08/1997	E	P			
*	AM	8528633	12/1986	GB				
	AN	62-175458	08/1987	J	P		×	
	AO	64-52765	02/1989	J	P			
	AP	7138258	05/1995	J	P			
	L	OTHER ART	(Including Autho	r, Title, Da	ite, Pertin	ent Dates, Etc.)		
	ΑQ	Dow, R. L. et al. "Be (1991), 34: 1538-15		iones as P	otent Hyp	oglycemic Agents"	J. Med. Chem.	
	AR	Japanese Patent 62-175458 dated August 1, 1987						
	AS	Partial English translation of Japanese Patent 64-52765, dated February 28, 1989						
	АТ	Partial English translation of Japanese Patent 7138258 dated May 30, 1995						
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Form PTO-1449 6-4

FORM PTO-1449 U. S DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. PATENT AND TRADEMARK OFFICE U 014850-7 10/697,926 INFORMATION DISCLOSURE **APPLICANT** STATEMENT BY APPLICANT Vidya Bhushan LOHRAY et al. (Use several sheets if necessary) FILING DATE **GROUP** 10/30/2003 1616 REFERENCE DESIGNATION U.S. PATENT DOCUMENTS **EXAMINER DOCUMENT** FILING DATE IF INITIAL NUMBER DATE NAME **APPROPRIATE** AA AB AC AD ΑE AF FOREIGN PATENT DOCUMENTS DOCUMENT **TRANSLATION** NUMBER DATE COUNTRY YES NO AG 2558473 11/1996 JP Х AΗ 0912575 01/1997 JP Х ΑI 9112003 08/1991 wo AJ 9207838 05/1992 WO ΑK 9207850 05/1992 WO AL 9405659 03/1994 wo AM 9425026 11/1994 WO 9426720 4 ΑN 11/1994 WO ΑO 9507697 03/1995 WO ΑP 9521608 08/1995 WO OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.) Japanese Patent 2558473 dated September 5, 1996 AΩ Japanese Patent 0912575 dated January 14, 1997 AR Hulin, Bernard et al. "Novel Thiazolidine-2,4-diones as Potent Euglycemic Agents", J. Med. Chem. AS (1992), 35(10): 1853-1864 Cantello, Barrie C.C. et al. J. Med. Chem. (1994), 37(23): 3977-3895 ΑT **EXAMINER** DATE CONSIDERED **EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U. S DEPARTMENT OF COMMERCE ATTY. DOCKET NO. SERIAL NO. PATENT AND TRADEMARK OFFICE U 014850-7 10/697,926 INFORMATION DISCLOSURE **APPLICANT** STATEMENT BY APPLICANT Vidya Bhushan LOHRAY et al. (Use several sheets if necessary) FILING DATE **GROUP** 10/30/2003 1616 REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT FILING DATE IF INITIAL NUMBER DATE NAME **APPROPRIATE** AAAΒ AC ΑD ΑE ΑF FOREIGN PATENT DOCUMENTS **DOCUMENT TRANSLATION** DATE COUNTRY NUMBER YES NO AG 9526347 10/1995 wo ΑН 9535108 12/1995 WO ΑI 9605186 02/1996 wo ΑJ 9611196 04/1996 wo ΑK 9626207 08/1996 wo ΑL 9741097 12/1996 wo ΑM ΑN ΑO AΡ OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.) Sohda, T. et al. "Studies on Antidiabetic..." J. Med. Chem. (1992), 35(14): 2617-2626 ΑQ Sohda, Takashi et al. "Studies on Antidiabetic Agents. II. Synthesis of 5-[4-(1-Methylcyclohexyl-AR methoxy)-benzyl]thiazolidine-2,4-dione (ADD-3878) and Its Derivatives", Chem. Pharm. Bull. (1982), 30(10): 3580-3600 AS ΑT **EXAMINER** DATE CONSIDERED

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